

INTERNATIONAL SEARCH REPORT

International Application No
PCT/FI2004/000440

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01L21/312 C23C16/40

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C23C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 2002/004298 A1 (SUGAHARA GAKU ET AL) 10 January 2002 (2002-01-10) paragraph '0071! - paragraph '0095!	1,2,5,7, 15 17,35, 51,62,63
X	----- EP 0 713 927 A (AIR PRODUCTS AND CHEMICALS, INC) 29 May 1996 (1996-05-29) column 3, line 12 - column 4, line 30	1-3,5,6, 8,9
X A	----- US 2002/076944 A1 (WANG QING MIN ET AL) 20 June 2002 (2002-06-20) paragraph '0018!; claims 1-7,11,12	1,2,4,5, 15 17,35, 51,62,63
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

22 March 2005

Date of mailing of the international search report

31/03/2005

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Patterson, A

INTERNATIONAL SEARCH REPORT

International Application No

PCT/FI2004/000440

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SAITO, N. ET AL: "Surface potential images of self-assembled monolayers patterned by organosilanes. Ab initio molecular orbital calculations" SURFACE AND INTERFACE ANALYSIS , 34(1), 601-605 CODEN: SIANDQ; ISSN: 0142-2421, 2002, XP008044678 abstract	1-16
P,X	<p>-----</p> <p>WO 2004/027110 A (ARCH SPECIALTY CHEMICALS, INC) 1 April 2004 (2004-04-01)</p> <p>page 10, line 1 - line 25 page 20, line 18 - page 21, line 24 page 26, line 7 - line 24</p> <p>-----</p>	1,2,5, 11,12, 15-18, 25,26,34

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/FI2004/000440

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002004298 A1	10-01-2002	US 2003203655 A1	30-10-2003
		DE 69711515 D1	08-05-2002
		DE 69711515 T2	18-07-2002
		DE 69727846 D1	01-04-2004
		DE 69727846 T2	15-07-2004
		DE 69729490 D1	15-07-2004
		DE 69729490 T2	07-10-2004
		DE 69731566 D1	16-12-2004
		EP 1050599 A2	08-11-2000
		EP 1182275 A2	27-02-2002
		EP 1207217 A1	22-05-2002
		EP 0826791 A2	04-03-1998
		JP 3226479 B2	05-11-2001
		JP 10284486 A	23-10-1998
		JP 3538159 B2	14-06-2004
		JP 2002033316 A	31-01-2002
		JP 3260352 B2	25-02-2002
		JP 2002016061 A	18-01-2002
		JP 3226524 B1	05-11-2001
		JP 2002009067 A	11-01-2002
		JP 2002353217 A	06-12-2002
		US 2001051228 A1	13-12-2001
		US 5989998 A	23-11-1999
EP 0713927 A	29-05-1996	US 5492736 A	20-02-1996
		EP 0713927 A1	29-05-1996
		JP 2790439 B2	27-08-1998
		JP 8236521 A	13-09-1996
		SG 30447 A1	01-06-1996
US 2002076944 A1	20-06-2002	NONE	
WO 2004027110 A	01-04-2004	WO 2004027110 A2	01-04-2004
		US 2004127070 A1	01-07-2004